

Description:

Yup. Yet another overdrive. The "ForeverLove" is inspired by the Lovepedal Eternity. The circuit is loosely based on the Tube Screamer with slightly different tweaks. It is a very easy-to-build, nice sounding overdrive.

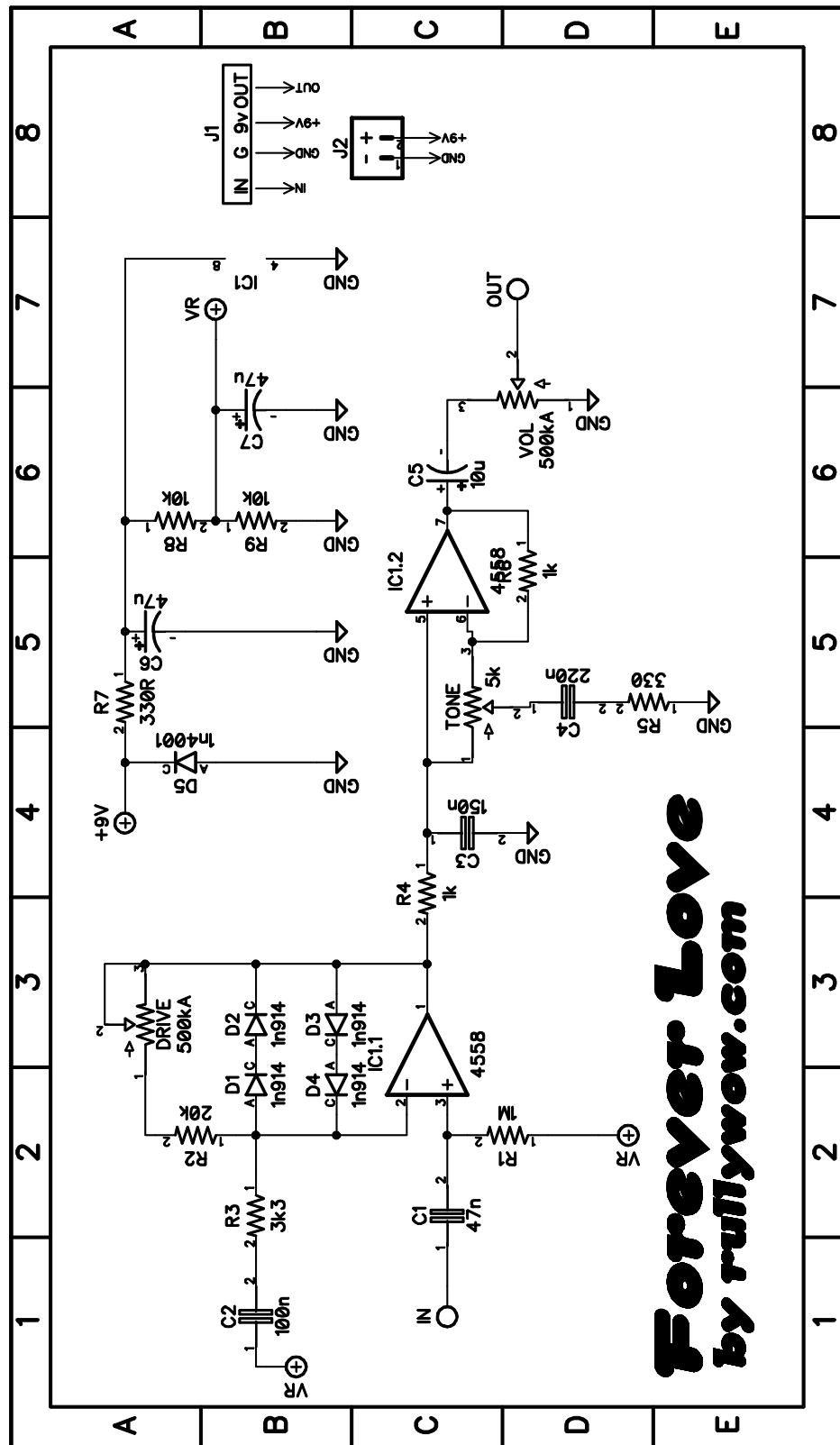
BOM

Caps		Diodes		Resistors	
C1	47n	D1-D4	1n914	R8	10k
C2	100n	D5	1n4001	R9	10k
C3	150n		IC	R4	1k
C4	220n	IC1	4558	R6	1k
C5	10u	Pots		R1	1M
C6	47u	DRIVE	500kB	R5	330R
C7	47u	TONE	5kB	R2	20k
		VOL	500kA	R7	330R
				R3	3k3

Build Tips:

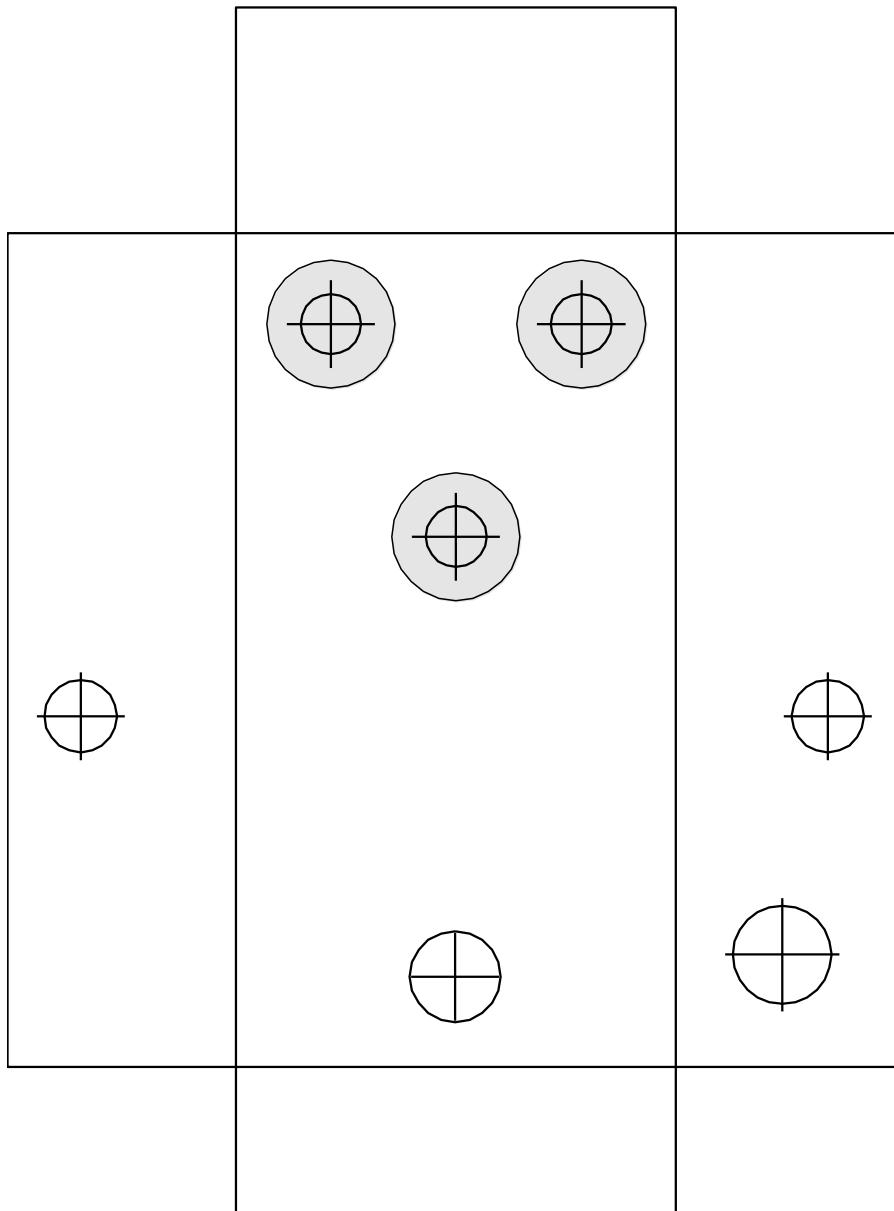
- It is a good idea to solder components from shortest height to tallest. In this case, you should start with resistors, diodes, film caps, electrolytic caps, and IC/sockets.
- All pots are 16mm Alpha PCB mount. It is a very good idea to drill holes in your enclosure first, and mount the pots with the nuts **BEFORE** soldering the pots to the PCB. This ensures you won't put a lot of stress on the PCB.
- Before putting your creation into its enclosure, you should always test it! If it doesn't work outside the enclosure, it won't work inside (I promise!)
- The D1-D4 diodes (used for clipping) are suggested to be 1n914 in the original. You may want to try others such as 1n4148, red diffused LED, etc. For experimentation, it would be cool to socket these and try different types of diodes.
- The IC is a 4558 type. You may want to socket this and swap out for different types of opamps such as NE5532, TL072, OPA2134, etc. There are a bunch to choose from and different amps impart slightly different "flavors" on the sound.

Schematic:



Drill Guide (1590B) :

This is an *APPROXIMATE* drill guide. Enclosures differ in size so be sure to measure before your commit to drill!



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